## CALL FOR PARTICIPATION

**The 14th International Workshop on Artificial Intelligence and Cyber Security (AICS)**  
8 December 2021  
in conjunction with ICONIP 2021 (Virtual Conference)

**co-organiser:**  
**co-sponsor:**  
**Technical co-sponsors:**

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| 10:30 – 11:15 | **Keynote 1:** Fighting IoT Cyberattacks: Device Discovery, Attack Observation and Security Notification  
Prof Katsunari Yoshioka  
Yokohama National University, Japan | Sye Loong Keoh                  |
| 11:15 – 11:30 | **JStrack:** Enriching Malicious JavaScript Detection Based on AST Graph Analysis and Attention Mechanism  
Muhammad Fakhrur Rozi (NIICT, Japan), Tao Ban (NIICT, Japan), Seiichi Ozawa (Kobe University, Japan), Sangwook Kim (Kobe University, Japan), Takeshi Takahashi (NIICT, Japan) and Dai Inoue (NIICT, Japan) |                                           |
| 11:30 – 11:45 | **A Segment-Based Layout Aware Model for Information Extraction on Document Images**  
Maizhen Ning, Qiu-Feng Wang, Kaizhu Huang and Xiaowei Huang (Xi’an Jiaotong-Liverpool University, China) |                                           |
| 11:45 – 12:00 | **FHTC:** Few-shot Hierarchical Text Classification in Financial Domain  
Anqi Wang, Qingcai Chen and Dongfang Li (Harbin Institute of Technology (Shenzen), China) |                                           |
| 12:00 – 12:15 | **BREAK**                                                                 |                                           |

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| 12:15 – 13:00 | **Keynote 2:** Building Security and Privacy Assured Deep Neural Networks  
Dr Surya Nepal  
CSIRO Data61, Australia | Geong Sen Poh                  |
| 13:00 – 13:15 | **A Comparative Study of Transformers on Word Sense Disambiguation**  
Avi Chawla (Mastercard), Nidhi Mulay (Mastercard), Vikas Bishnoi (Mastercard), Gaurav Dhama (Mastercard) and Anil Kumar Singh (IIT (BHU) Varanasi, India) |                                           |
| 13:15 – 13:30 | **Retinal Vessel Segmentation based on Gated Skip-connection Network**  
Huixia Yao, Yun Jiang, Tongtong Cheng and Jing Gao  
(Northwest Normal University Lanzhou, China) |                                           |
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<td>13:30 – 14:15</td>
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| 14:15 – 15:00 | **Invited Talk:**  
Decentralized Learning for Anomaly Detection: Challenges and Opportunities  
Dr Tianwei Zhang  
School of Computer Science and Engineering, Nanyang Technological University, Singapore  
Paul Pang |
| 15:00 – 15:15 | **Question Answering over Knowledge Base Embeddings with Triples Representation Learning**  
Zicheng Zuo (Shandong Jiaotong University, China), Zhenfang Zhu (Shandong Jiaotong University, China), Wenqing Wu (Shandong Jiaotong University, China), Qiang Lu (Shandong Jiaotong University, China), Dianyuan Zhang (Shandong Jiaotong University, China) and Wenling Wang (Ludong University, China) |
| 15:15 – 15:30 | **Combining Wikipedia to Identify Prerequisite Relations of Concepts in MOOCs**  
Haoyu Wen, Xinning Zhu, Moyu Zhang, Chunhong Zhang and Changchuan Yin (Beijing University of Posts and Telecommunications, China) |
| 15:30 – 15:45 | **CDMC2021 Winner Presentation:**  
Shuai Wang, Peixuan Li, Tianhe Lu, Tianjie Ju and Gongshen Liu (Shanghai Jiao Tong University, China) |
| 15:45 – 16:00 | **CLOSING**                                                                      |